-22-

# SEAMLESS DEFECT MANAGEMENT CONVERSION

## Abstract of the Disclosure

Methods and associated apparatus are disclosed that convert a logical block address value

5    for a data storage disc location to a physical cylinder, physical head, and the physical sector or

logical sector.  The method and associated apparatus permit the spare sectors to be pooled at the

end of the disc drive's volume, if desired, rather than always being included on each track.  The

methods and apparatus involve computing parameters and/or looking up parameters in a defect

list stored in memory.  Various steps are involved such as finding a target physical block address

10   from a number of slipped (i.e., defective) sectors, finding an offset into the zone of interest,

finding an offset into the track of interest, and finding a total cylinder and head skew up to the

target physical block address.

15